



# **Presentation to the Northern New Mexico Citizens' Advisory Board**

## **Current Status of LANL Cleanup**

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# Consent Order – Substantial Progress

- **2100+ original sites (approximately 1450 sites currently on LANL Permit)**
  - Approximately half of the sites are completed
  - Of the remaining sites, completed initial investigation on approximately 90%
- **26 original Material Disposal Areas (MDAs)**
  - Completed removal / cleanup on 10 (7 since 2007)
  - Completed investigation of 5 major MDAs (MDAs C, G, H, L & T)
  - Selecting remedies for MDAs G, H & L
  - Remainder in investigation phase



# Consent Order – Substantial Progress (continued)

- **Groundwater monitoring network in place**
- **Substantial monitoring and sediment controls installed to support Consent Order and Buckman Direct Diversion Project**





# Fiscal Year 2011 Accomplishments

- **American Recovery and Reinvestment Act (ARRA) - \$212M in funding provided boost to already-planned work:**
  - **Decontamination & demolition of 24 Manhattan / Cold War-era buildings**
    - Reduced legacy footprint by ~175,000 square feet
  - **Installation of 16 regional groundwater wells**



## Fiscal Year 2011 Accomplishments (continued)

- **ARRA also supported completion of MDA B excavation:**

- **Early laboratory radioactive waste disposal area (1944-1948)**
- **Excavated about 43,000 cubic yards of contaminated soil and debris**
- **Safely removed approximately 115 PE-Ci of radioactive waste from the 6-acre site**



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# Fiscal Year 2011 Accomplishments (continued)

- Received certificates of completion from NMED for 83 sites
- Submitted corrective measures evaluations for MDAs G, H and L
- Remediated MDAs N and Y
- Met every Consent Order deadline, including on-time submittal of 281 documents





# Paving the Way to TA-54 Closure

- In FY11, completed 171 shipments as part of ongoing efforts to ramp up transuranic (TRU) waste disposal
- Over the last 3 years, transported more than 450 shipments safely to the Waste Isolation Pilot Plant
  - New records for LANL TRU shipments were set each year
- Established new capabilities for re-packing and characterizing legacy TRU waste



# Las Conchas Fire

- June 2011
- TRU waste at TA-54 received significant public and media attention
- Governor Susana Martinez was at LANL during the fire
- After the fire, LANL took actions to protect area watersheds





# Shifting Priorities in Fiscal Year 2012 – Addressing Priority Risks

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- **TRU waste at TA-54 is a key environmental priority at LANL**
  - TRU disposition is critical precursor to Consent Order work
- **Priority Consent Order work continues**
  - Townsite investigation / remediation – moving to completion
  - MDA C corrective measures evaluation
  - TA-16 well network evaluation
  - Sandia Canyon Phase II Investigation Report
- **Groundwater and surface water protection remains a high priority**
  - Groundwater network in place and monitoring continues
  - Storm Water Individual Permit – monitoring and controls
  - Support for the Buckman Direct Diversion Project

# Summary

- **Made substantial cleanup progress**
- **Consent Order status**
  - Approximately half of original 2100+ sites completed
  - Initial investigation completed at approximately 90% of remaining sites
  - Priority work underway in FY12
- **Groundwater and surface water monitoring networks in place**
  - Protective of human health and the environment
- **LANL TRU campaign**
  - People, processes and plans are in place to meet the goal of removing the highest-priority TRU waste by mid-2014
- **Alignment with NMED on shift in priorities**

